



resilient network systems

NSTIC Summit

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Why we were selected for NSTIC

What is a Trust Network

How does a Trust Network “work”

Why it matters

Resilient Network Systems NSTIC Pilots

Purpose:

Deliver National scale, secure, privacy-enhancing, on-demand, authentication and HIPPA – HITECH (Healthcare) and FERPA – COPPA (Education) compliant authorization across healthcare and education



Participants in Patient Centered Coordination of Care pilot for healthcare:



Participants in Zero-knowledge Identity and Privacy Protection Service pilot for education:



Challenges in Education and Healthcare Information Exchange

Roadblocks in education:

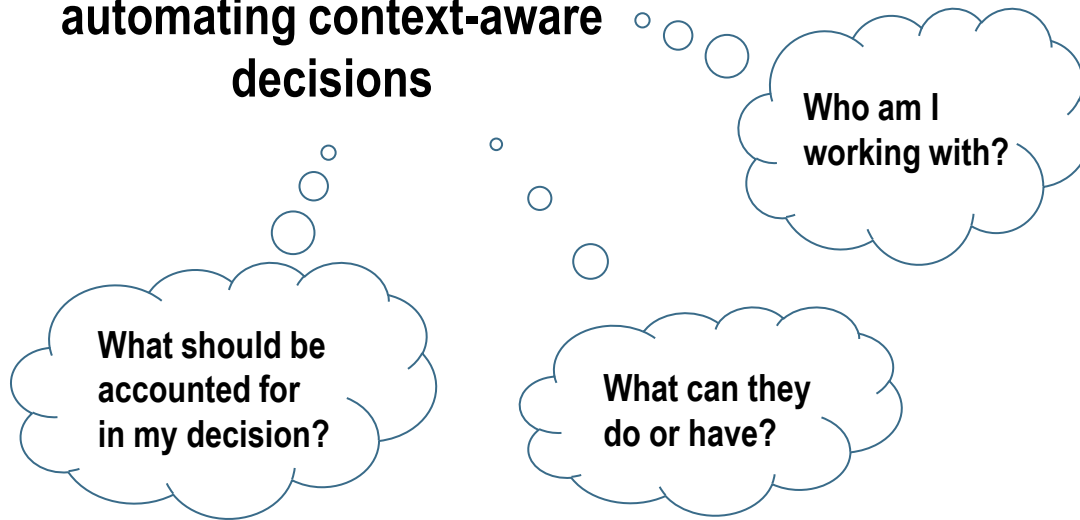
- **Centralized databases and services present real and perceived security and privacy risks**
- **Regulations (e.g. FERPA and COPPA) require an established Trust Framework**
- **Centralized, disparate identity stores and applications hinder access to online media and learning**
- **Fragmented School Information Systems, Educational Support systems and low local IT budgets inhibit scalability and national reach**

Roadblocks to Coordinated Care:

- **Reliance on current, identity-based solutions impose high costs, inhibit adoption and scale**
- **Assurance exists only between integrated organizations, known users, and resources**
- **Systems have inconsistent roles, permission, identities, resources and administration**
- **Privacy challenges and regulatory compliance pose significant risk for Health IT adopters**

What is a Trust Network

A Trust Network is a neutral, peer-to-peer, software platform for automating context-aware decisions

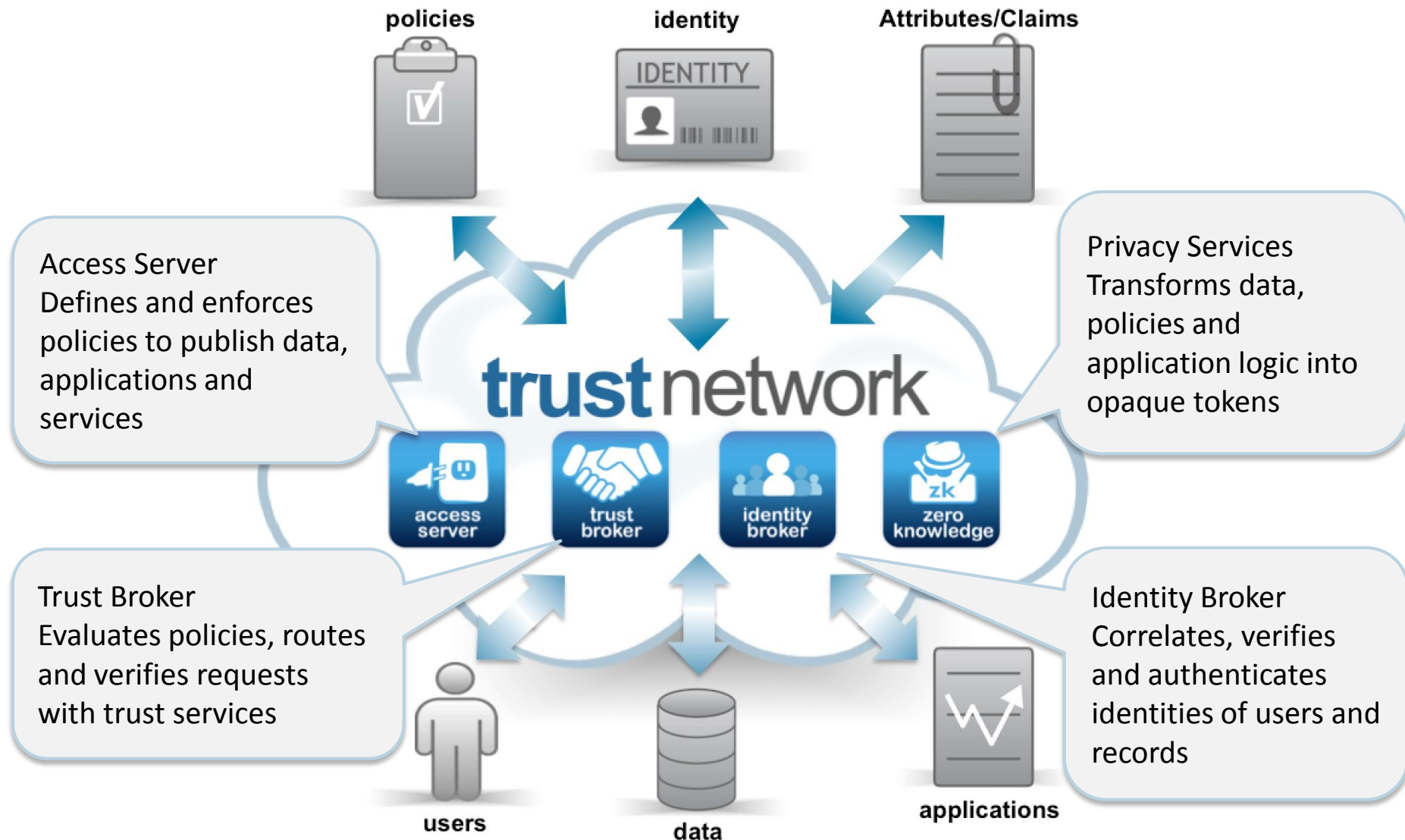


A Trust Network evaluates and enforces the criteria for trusted connections between users, services, applications, and data

A Trust Network enables

- **Syndicated Data, Services, Applications**
- **Secure and Resilient verification of facts**
- **Privacy-enhanced Discovery and Access**
- **Automated Compliance and Accounting**
- **Administrative and End-user Convenience**

How Does a Trust Network Work



Trust Network Syndication Architecture

Syndicated application

Syndication through the Trust Network enables the combination of web-services and functions into on-demand, context-aware, applications

Syndicated Functions

Verify
Attributes

Account for
Context

Access
Resources

Syndication components

Trust Network API's

Identity
authoritie
s

Compliance
authorities

Policy
authoritie
s

Analytic
Services

Data
Services

Trust Network Infrastructure

Identity
Broker Services

Trust
Brokers / Trust Services

Access
Servers

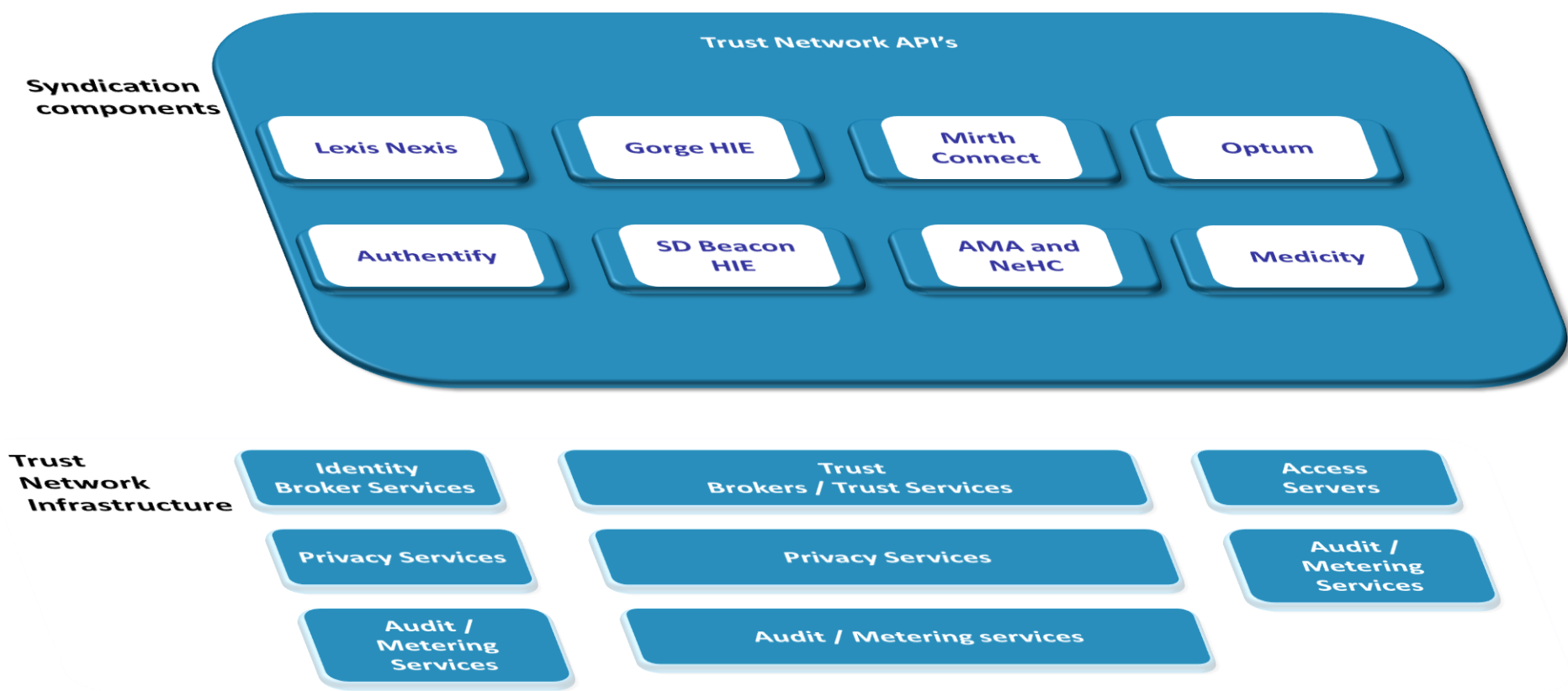
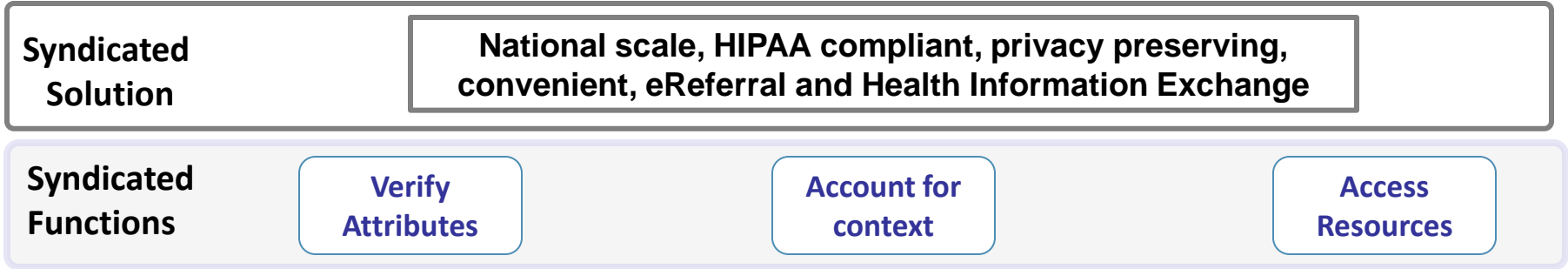
Privacy Services

audit / metering
services

Trust Network Components

Network Services and
functions

Healthcare Pilot Overview



Current Pilot Operations and Outcomes

Healthcare Pilot

- Cross-HIE and state, HIPAA compliant eReferrals between Doctors and Staff members
- 2 National scale and 2 local sources of attribute verification
- Privacy-enhanced 2 factor authentication
- Trust Framework and policy evaluation

Education Pilot

- Anywhere access to on-line training for authenticated / authorized employees
- K-12 education software and services provider utilizing Trust Network API's
- Privacy enhanced correlation of National Scale and Local Student Information systems for Parent attribute verification and access

One common, interoperable and adaptable infrastructure to evaluate and enforce the criteria for trusted connections between users, services, applications, and data

Learn More

Resilient Networks Systems NSTIC Website: <http://www.resilient-networks.com/nstic/>

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